

ABSTRACT OF THE DISCLOSURE

A discharge valve including a valve seat and a piston having a head with a bottom surface that is convex across its entirety for engaging the valve seat. The piston has a stem extending upwardly from the head away from the valve seat. A valve guide has a socket for slidably receiving the stem of the piston and a number of apertures intersecting the socket for providing pressure relief thereto. A compressed spring is disposed between the valve guide and the head for normally retaining said the in engagement with the valve seat.